

SEQUENCE LISTING

<110> Jaeger, Stefan

<120> A method for determination of a nucleic acid using a control

<130> 18981

<160> 17

<170> PatentIn Ver. 2.1

<210> 1

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial sequence to exemplify principle

<400> 1

agcgcatgcc agattactgg c

21

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial sequence to exemplify principle

<400> 2

tgcggtacgg tctaatacgc g

21

<210> 3

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ST650 HCV specific probe sequence

<220>

<221> N_region

<222> (15)

<223> n represents abasic linker

(2-amino-cyclohexyl-)propan-1,3-diol)

<400> 3

cggtgtactc accgnttcgc cagaccacta tggc

34

<210> 4

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ST2535 probe sequence

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<220>
<221> N_region
<222> (15)
<223> n represents an abasic linker
      (2-amino-cyclohexyl-)propan-1,3-diol

<400> 4
tggactcagt cctntgggtca tctcaccttc t
31

<210> 5
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ST650pc probe
      sequence (parallel-complementary to ST650)

<220>
<221> N_region
<222> (15)
<223> n represents an abasic linker
      (2-amino-cyclohexyl-)propan-1,3-diol

<400> 5
gccacatgag tggcnaagcg gtctgggtgat accg
34

<210> 6
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ST280
      HCV-spelific Primer-sequence

<400> 6
gcagaaagcg tctagccatg gcgtta
26

<210> 7
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ST778
      HCV-specific Primer-sequence

<400> 7
gcaagcaccc tatcaggcag taccacaa
28

<210> 8
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ST280pc Primer
      parallel-complementary to ST280

<400> 8
cgtctttcgc agatcggtac ctcaat
26

<210> 9
<211> 28

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ST778pc Primer
parallel-complementary to ST778

<400> 9
cgttcgtggg atagtcgcgc atggtggt

28

<210> 10
<211> 241
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA sequence
derived by amplification of HCV type 1 using the
primers ST280 and ST778

<400> 10
gcagaaagcg tctagccatg gcgttagtat gaggctcgtg cagcctccag gacccccccct 60
cccgggagag ccatagtggt ctgcggaacc ggtgagtaca ccggaattgc caggcagacc 120
gggtcctttc ttggtatcaac ccgtccaatg cctggagatt tgggcgtgcc ccgcgagac 180
tgctagccga gtagtgttgg gtgcggaag gccttggtg actgcctgat aggggtcgtt 240
c 241

<210> 11
<211> 943
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: QS(pc)HCV
being parallel-complementary to according region
of the HCV type1 genome

<400> 11
agatctccgc tgtgaggtgg tatctagtga ggggacactc cttgatgaca gaagtgcgtc 60
tttcgcagat cggtagccga atcactactca cagcacgtcg gaggctcctgg gggggagggc 120
cctctcggtta tcaccagacg ccttggccac tcattgtggcc ttaacgggtcc tgctggccca 180
ggaaagaacc tagttgggcg agttacggac ctctaaaccc gcacgggggc gctctgacga 240
tcggctcatc acaaccacgc gctttccgga acaccatgac ggactatccc acgaacgcctc 300
acggggccctc ccagagcatc tggcacgtgg tactcgtgct taggatttgg agtttctttt 360
tggtttgcat tgggttggc ggcaggtgtc ctgcagtcca aggggcccgc accagttctag 420
caaccacctc aaatggacaa cggcgcgctcc ccggggtcca acccacacgc gcccgagctc 480
ttctgaagcg tcgcagcgt tggagcacct tccgctgttg gatagggtt cgcagcggct 540
gggctccgct ccggacccg agtcgggccc atgggaaccg gggagatacc gttactccc 600
taccacccc gtctaccga ggacagtggg gcaccaagag ccggtatcac cccggggagt 660
ctggggggcg catccagcgc attaaaccca ttccagtagc tatgggaatg tacgccaag 720
cggctggagt accccatgta aggcagcagc ccggggggag atcccccgcg gcggtcccgg 780
gaccgcgtac cgcagggcca agacctcctg ccgcacttga tacgttgcct cttaaacggg 840
cgaacgagaa agagatagaa ggagaaccca aacgacagaa caaactggta gggtcgaagg 900
cgaatacttc acgcgtaaac atgaggatta cccatgtaag ctt 943

<210> 12
<211> 241
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: amplicon
derived from QS(pc)HCV using the primers ST280pc
and ST778pc

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<400> 12
cgtctttcgc agatcggtac cgcaatcata ctcacagcac gtcggaggtc ctggggggga 60
gggcccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtccctgctgg 120
cccaggaag aacctagtgt ggcgagttac ggaacctcaa acccgcaagg gggcgctctg 180
acgatcggtc catcacaacc cagcgctttc cggaacacca tgacggtaga tcccacgaac 240
g
241

```

```

<210> 13
<211> 241
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: amplicon
sequence derived from QSHCV (HCV amplification
control having binding sites for ST280, ST778 and
ST2535) using the primers ST280 and ST778

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```

<400> 13
gcagaaagcg tctagccatg gcgttagtat agtggcggtg gacgagcctc tgcctcgccc 60
accgcgcgtc tgaaggtga gatgaccaga ggactgagtc caatgcacgc tggctccgag 120
atgctccgca aacttgccgt caacgtgact gcgtacggcg ggcgtgcccg cctggctgtg 180
tatgagctgg tgaccgtgat ctggctggag gccttggtgt actgcctgat aggggtcctt 240
c
241

```

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<210> 14
<211> 375
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: ICSJ620HCV
(HCV specific amplification control having a
binding site for ST280 and ST778 and an internal
region being parallel-complementary to HCV)

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<400> 14
agatctcggc tgggggacta ccccgctgt gagtggtac ttagtgaggg gacactcctt 60
gatgacagaa gtggcagaaa gcgtctagcc atggcgcttac atactcacag cacgtcggag 120
gtcctggggg ggaggccctc ctccggtatca ccagacgcctc tggccactca tgtggcctta 180
acggtcctgc tggcccagga aagaacctag tttgggcgag ttacggacct ctaaacccgc 240
acggggggcg tctgacgac gcctcatcac aacccagcgc tttccgggtg tggactgccc 300
tgataggggt cttgcctcga ggggcccctc agagcatctg gcacgtggaa acatgaggat 360
taccatgta agctt
375

```

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<210> 15
<211> 242
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: amplicon
derived from ICSJ620HCV (HCV-specific
amplification control) using ST280 and ST778 as
primers

```

```

<400> 15
gcagaaagcg tctagccatg gcgttacata ctcacagcac gtcggaggtc ctggggggga 60
gggcccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtccctgctgg 120
cccaggaag aacctagtgt ggcgagttac cggacctcta aacccgacg gggcgctctc 180
gacgatcggc tcatcacaac ccagcgcttt ccggttggtg tactgcctga tagggtgctt 240
gc
242

```

```

<210> 16
<211> 46

```

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NTQ21-46-A

<400> 16

cgatcatctc agaacattct tagcgttttg ttcttgtgta tgatcg

46

<210> 17

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artifical
sequence to examplify principle

<400> 17

cggtcattag accgtacgcg a

21